

### TS H7N TS H75

#### Operating Limits

Pressure:  $\leq 2.5\text{MPa}$   
 Speed:  $\leq 20\text{m/s}$   
 Temperature:  $-20^{\circ}\text{C} \sim +200^{\circ}\text{C}$

- Rotary Ring (SiC/TC/Carbon)
- Stationary Ring (Carbon/SiC/TC)
- Secondary Seal(VITON/Encapsulated Ring)
- Metal Parts(SUS304/SUS316)
- Spring(17-7PH/SUS304/SUS316)

| Seal size d(mm) | d <sub>0</sub> | d <sub>1</sub> | d <sub>6</sub> | d <sub>7</sub> | l <sub>2</sub> | l <sub>1,k</sub> |
|-----------------|----------------|----------------|----------------|----------------|----------------|------------------|
| 25              | 30             | 45             | 34             | 40             | 36.0           | 47.5             |
| 28              | 33             | 48             | 37             | 43             | 38.5           | 50.0             |
| 30              | 35             | 50             | 39             | 45             | 38.5           | 50.0             |
| 33              | 38             | 55             | 42             | 48             | 38.5           | 50.0             |
| 35              | 40             | 57             | 44             | 50             | 38.5           | 50.0             |
| 38              | 43             | 60             | 49             | 56             | 38.5           | 52.5             |
| 40              | 45             | 62             | 51             | 58             | 38.5           | 52.5             |
| 43              | 48             | 65             | 54             | 61             | 38.5           | 52.5             |
| 45              | 50             | 67             | 56             | 63             | 38.5           | 52.5             |
| 48              | 53             | 70             | 59             | 66             | 38.5           | 52.5             |
| 50              | 55             | 72             | 62             | 70             | 42.5           | 57.5             |
| 53              | 58             | 79             | 65             | 73             | 42.5           | 57.5             |
| 55              | 60             | 81             | 67             | 75             | 42.5           | 57.5             |
| 60              | 65             | 86             | 72             | 80             | 47.5           | 62.5             |
| 65              | 70             | 91             | 77             | 85             | 47.5           | 62.5             |
| 70              | 75             | 99             | 83             | 92             | 52.0           | 70.0             |
| 75              | 80             | 104            | 88             | 97             | 52.0           | 70.0             |
| 80              | 85             | 109            | 95             | 105            | 51.8           | 70.0             |
| 85              | 90             | 114            | 100            | 110            | 56.8           | 75.0             |
| 90              | 95             | 119            | 105            | 115            | 56.8           | 75.0             |
| 95              | 100            | 124            | 110            | 120            | 57.8           | 75.0             |



### TS 58U TS 59U

#### Operating Limits

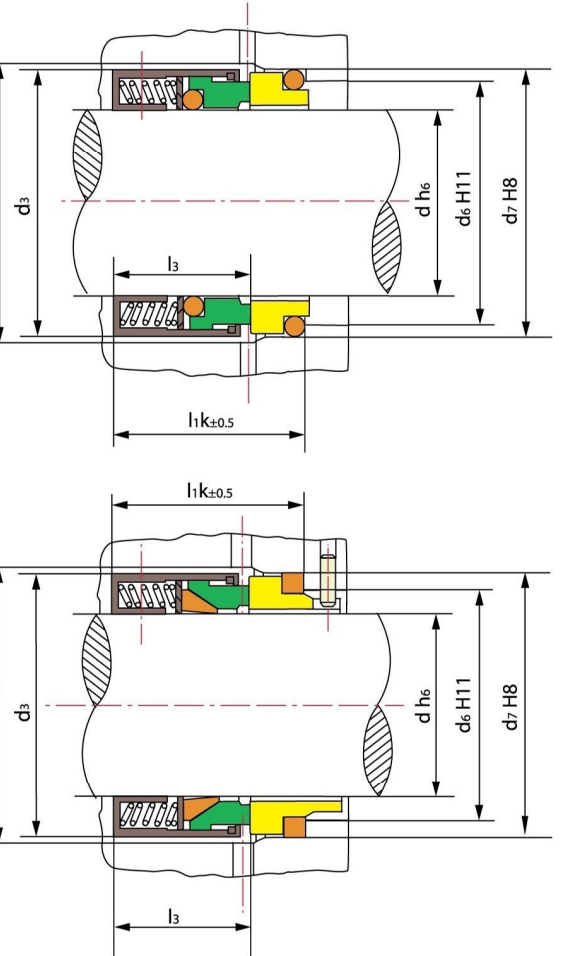
Pressure:  $\leq 1.7\text{MPa}$   
 Speed:  $\leq 25\text{m/s}$   
 Temperature:  $-20^{\circ}\text{C} \sim +200^{\circ}\text{C}$

- Rotary Ring (Carbon/SiC/TC)
- Stationary Ring(99%Ceramic/SiC/TC)
- Secondary Seal(VITON/PTFE/Encapsulated Ring)
- Spring & Other Parts (SUS304/SUS316)

| Seal size d(mm) | d <sub>3</sub> | d <sub>4</sub> | l <sub>1,k</sub> | l <sub>3</sub> | d <sub>6</sub> | d <sub>7</sub> |
|-----------------|----------------|----------------|------------------|----------------|----------------|----------------|
| 14              | 24             | 26             | 35.0             | 23.0           | 21             | 25             |
| 16              | 26             | 28             | 35.0             | 23.0           | 23             | 27             |
| 18              | 32             | 34             | 37.5             | 24.0           | 27             | 33             |
| 20              | 34             | 36             | 37.5             | 24.0           | 29             | 35             |
| 22              | 36             | 38             | 37.5             | 24.0           | 31             | 37             |
| 24              | 38             | 40             | 40.0             | 26.7           | 33             | 39             |
| 25              | 39             | 41             | 40.0             | 27.0           | 34             | 40             |
| 28              | 42             | 44             | 42.5             | 30.0           | 37             | 43             |
| 30              | 44             | 46             | 42.5             | 30.5           | 39             | 45             |
| 32              | 46             | 48             | 42.5             | 30.5           | 42             | 48             |
| 33              | 47             | 49             | 42.5             | 30.5           | 42             | 48             |

| Seal size d(mm) | d <sub>3</sub> | d <sub>4</sub> | l <sub>1,k</sub> | l <sub>3</sub> | d <sub>6</sub> | d <sub>7</sub> |
|-----------------|----------------|----------------|------------------|----------------|----------------|----------------|
| 35              | 49             | 51             | 42.5             | 30.5           | 44             | 50             |
| 38              | 54             | 58             | 45.0             | 32.0           | 49             | 56             |
| 40              | 55             | 60             | 45.0             | 32.0           | 51             | 58             |
| 43              | 59             | 63             | 45.0             | 32.0           | 54             | 61             |
| 45              | 61             | 65             | 45.0             | 32.0           | 56             | 63             |
| 48              | 64             | 68             | 45.0             | 32.0           | 59             | 66             |
| 50              | 66             | 70             | 47.5             | 34.0           | 62             | 70             |
| 53              | 69             | 73             | 47.5             | 34.0           | 65             | 73             |
| 55              | 71             | 75             | 47.5             | 34.0           | 67             | 75             |
| 58              | 78             | 83             | 52.5             | 39.0           | 70             | 78             |
| 60              | 80             | 85             | 52.5             | 39.0           | 72             | 80             |

| Seal size d(mm) | d <sub>3</sub> | d <sub>4</sub> | l <sub>1,k</sub> | l <sub>3</sub> | d <sub>6</sub> | d <sub>7</sub> |
|-----------------|----------------|----------------|------------------|----------------|----------------|----------------|
| 63              | 83             | 88             | 52.5             | 39.0           | 75             | 83             |
| 65              | 85             | 90             | 52.5             | 39.0           | 77             | 85             |
| 68              | 88             | 93             | 52.5             | 39.0           | 81             | 90             |
| 70              | 90             | 95             | 60.0             | 45.5           | 83             | 92             |
| 75              | 95             | 104            | 60.0             | 45.5           | 88             | 97             |
| 80              | 104            | 109            | 60.0             | 45.0           | 95             | 105            |
| 85              | 109            | 114            | 60.0             | 45.0           | 100            | 110            |
| 90              | 114            | 119            | 65.0             | 50.0           | 105            | 115            |
| 95              | 119            | 124            | 65.0             | 50.0           | 110            | 120            |
| 100             | 124            | 129            | 65.0             | 50.0           | 115            | 125            |



Design Features:  
 Conform to ISO3069, DIN24960  
 and BS5257-1975 standards